



Hunters Point Radiological Program Update

Hunters Point Naval Shipyard
BCT Meeting
January 27, 2011



Overview



Radiological Project Work Overview

- Current Project Map
- Sanitary Sewer and Storm Drain Removal Update
 - Crisp Rd.
 - Parcel C
 - Parcel D-1
 - Parcel E Buildings and Site Surveys

Regulatory and Document Update

- Parcel B Buildings/Sites
- Parcel G Buildings/Sites
- On-site / Off-site Laboratory Update
- Pier Demo Field Update



2011 Radiological Projects



LEGEND

NAVY PROPERTY BOUNDARY (OFFS)

PROJECT AREAS

- IMPACTED BUILDINGS OR SITES CONTROLLED BY TTEC
- IMPACTED SITES THAT HAVE OBTAINED REGULATORY RELEASE
- ERRC IR-07/18 CAP
- EMS BIN STORAGE
- MACTEC (ERS/JV) PIER REMOVAL
- SHAW D1
- SHAW PCB
- TTEC CRISP ROAD
- TTEC RSY'S
- TTEC PARCEL C
- TTEC PARCEL E 500 SERIES
- RSY PADS





Crisp Rd/Parcel E SS/SD Removals & Building Surveys



- SS/SD line removal, characterization, and remediation is complete
- Backfill and Site restoration is progressing
- Bldg 406 – CDPH confirmation survey completed November 18th
- Bldg 810 – Final FSS with RTCs pending submittal to Agencies 1 Feb
- Bldg 414 – Draft FSS under RASO review
- Site 701 – Draft FSS pending submittal to RASO
- Site 704 – Draft FSS under RASO review
- Bldg 707 Triangle – Field work ongoing
- IR-04 Scrap Yard - Field work ongoing



Parcel C

Storm Drain & Sewer Removals and Building Surveys



- SS/SD line removal commenced in Central Parcel C on Jan 4
 - Excavated soil and pipe removal through Jan 18:
 - 2,987 LF
 - 3,444 cubic yards
 - Current scope involves removal activities in WAs 31, 32, and 33
- Building Final Status Surveys
 - Started Building 272 December 8, 2010
 - Started Building 271 January 20, 2011
- TSPs for Buildings 214 and 241 under RASO review
- Developing TSPs for Building 203 and North Pier



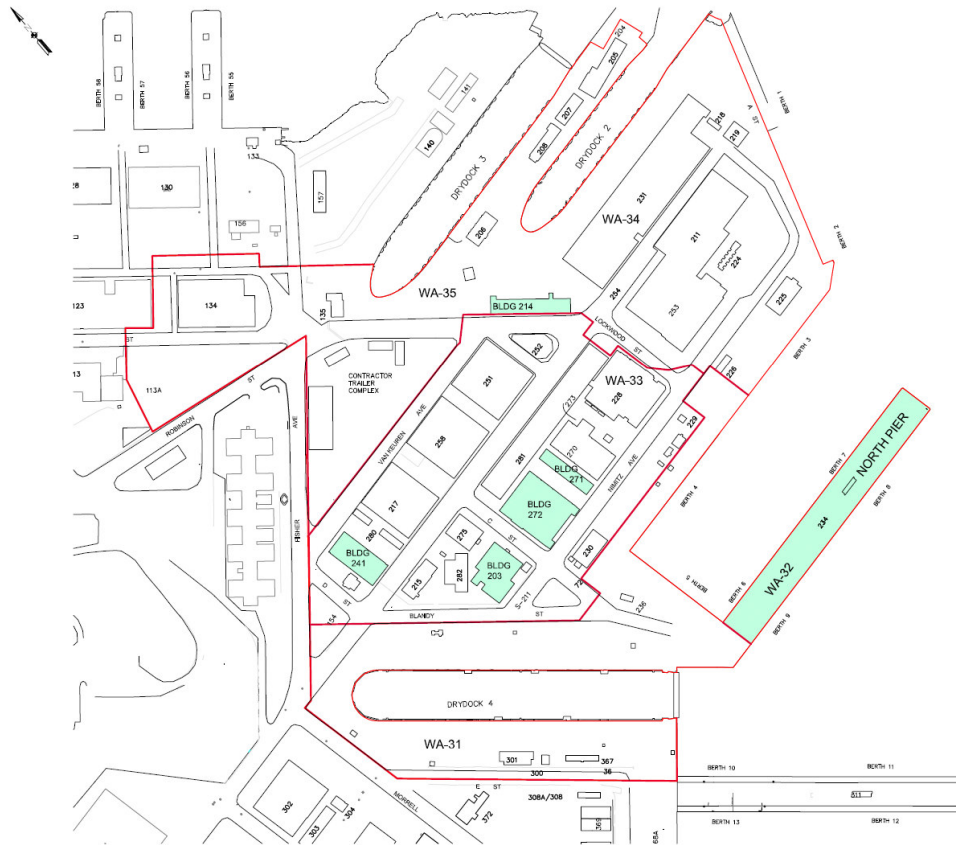
Parcel C

Storm Drain & Sewer Removals and Building Surveys



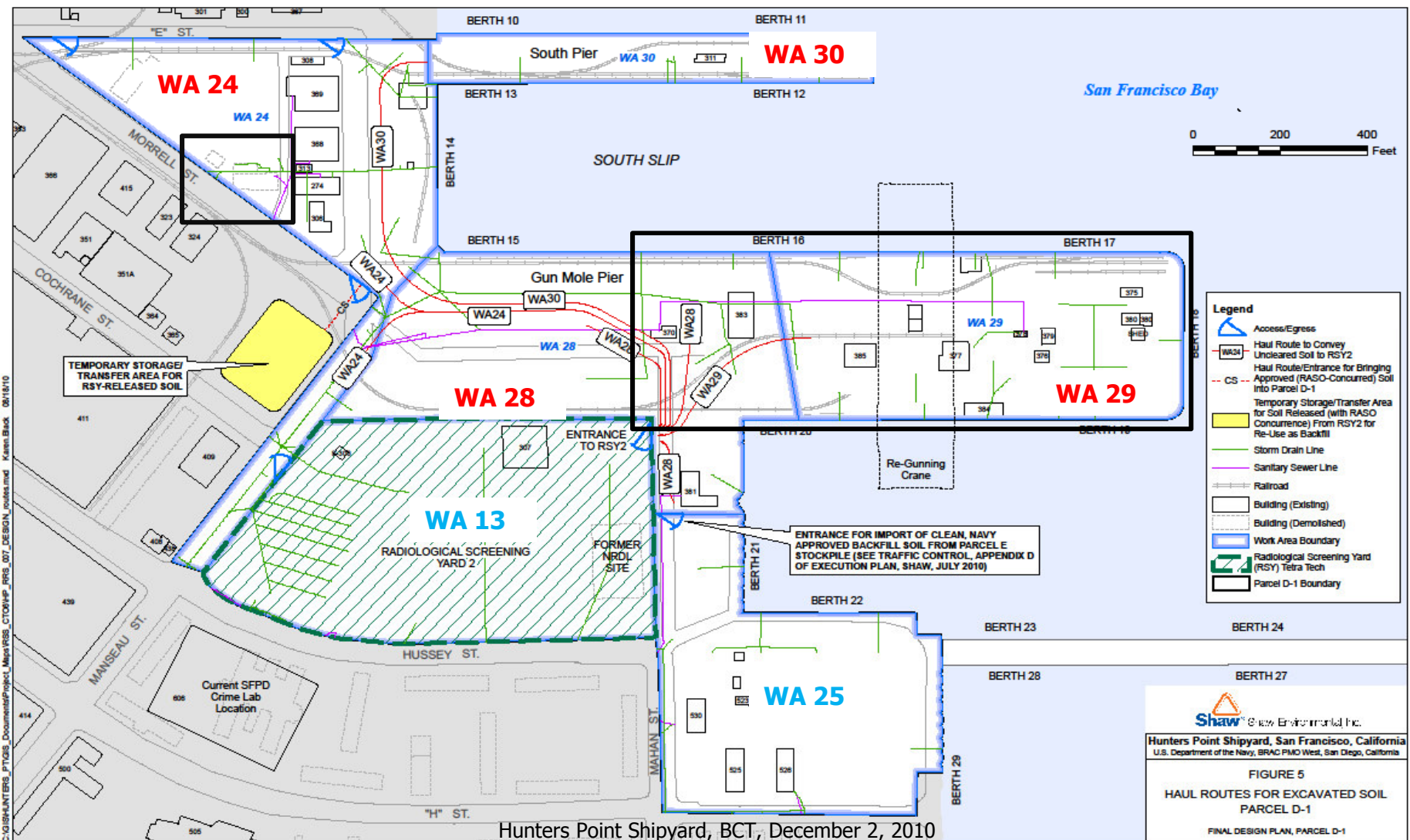
LEGEND

- WORK AREA BOUNDARIES
- PARCEL C BOUNDARY
- IMPACTED BUILDINGS SCOPE FOR FINAL STATUS SURVEYS





Work Areas and Air Monitoring Stations





Parcel D-1 Current Field Work Status



Storm Drain and Sanitary Sewer Removal

Excavated soil and pipe removal thru 1/21/11

- In WA 24, WA 30, & WA 28 - 6800 cubic yards
- Storm Drain and Sanitary Sewer Pipe – 4450 lineal feet
- Cesium 137 Detections Above Action Limits in Manseau St. Storm Drain Sediment (~ 320 ft. of piping)

Building 313,313A & 322 sites - Surveyed and Sampled

- Elevated levels of Cesium 137 and Radium 226 above action limits
- Developing remediation plan



Parcel D-1 Current Field Work Status



(Continued)

Started Gamma Walk over Survey and Field Instrument for the Detection of Low Energy Radiation (FIDLER) Survey on the Gun Mole Pier, no detections above the investigation levels

Completed Gamma Walk Over Survey on the South Pier, no detections above investigation levels

Completed removal and stockpiling of asphalt, rails and ties from the South Pier

Completed Electrical Relocation for Gun Mole Pier FAA Light

Started Rad Characterization Survey and Sampling on the South Pier, no detections above investigation levels,
Awaiting Analytical Results



Parcel D-1 Current Field Work Status



(Continued)

Completed Rad Survey of Building 274, no Detections Above investigation Levels

Completed Building Demolition of non Rad impacted Buildings on the South Pier and Gun Mole Pier

Started foundation removal for Building 383 Area Rad Survey



Parcel D-1 Upcoming Field Work



Continue to Excavate soil and remove Storm Drain and Sanitary Sewer Pipe in WA 24, WA 30, WA 28 and WA 29

Building 313,313A & 322 sites – Complete Remediation and Resurvey

Complete Characterization survey and sampling for the South Pier

Start Asphalt removal and Characterization survey and sampling for the Gun Mole Pier

Complete Characterization survey and sampling for the Building 383 Area

Develop and submit Survey Unit Project Reports for Navy/RASO approval to start backfilling of trenches



Storm Drain Piping Removal, Berth 15, Gun Mole Pier





Gun Mole Pier (Inland view)





Building Demolition, Gun Mole Pier





Removing and Loading Railroad Track, South Pier





Removing Drain Line, Manseau Street





Building Demolition Gun Mole Pier





Parcel E Buildings and Site Surveys



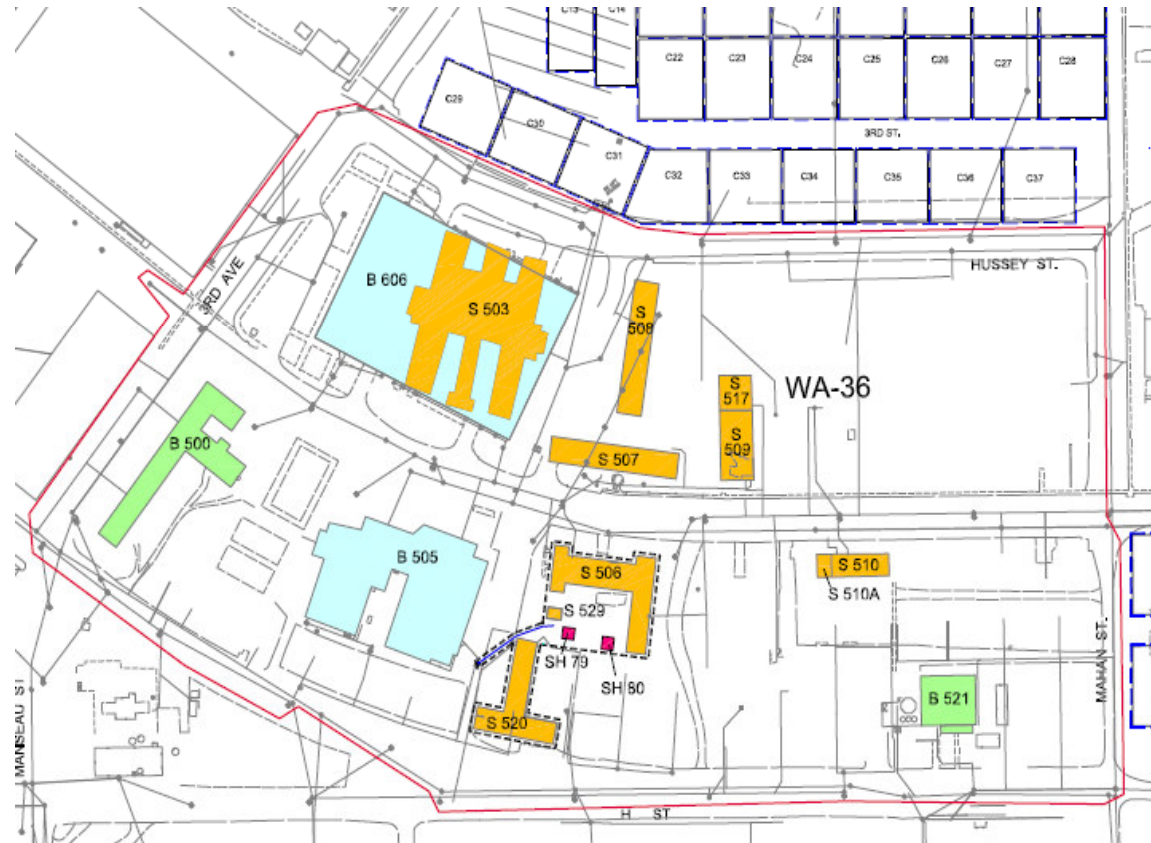
- Currently developing project work plans for the SS/SD removal and site clearing activities.
 - Final Execution Plan submitted January 20, 2011
 - Draft Design Plan submitted January 5, 2011
- Field Work
 - Clearing and grubbing expected to begin week of January 24



Impacted Building and Sites Within Parcel E 500 Series Area



- LEGEND**
- WORK AREA BOUNDARY (WA-36)
 - - - RADIOACTIVE MATERIAL AREA
 - STORM DRAIN LINE
 - NON-IMPACTED BUILDINGS
 - IMPACTED BUILDINGS
 - IMPACTED BUILDING SITES
 - IMPACTED SHACK SITES
 - RSY 2, 3 AND 4 SCREENING PADS





Regulatory and Document Update



Parcel B Building Survey Status



- All Parcel B Building Surveys Complete
 - Building 157 – CDPH took receipt of samples for confirmatory analysis on December 3, 2010
 - Building 140 Discharge Channel – Navy reviewing Draft Tech Memo
 - Site 114 - Approved for unrestricted release
 - Site 142 – Approved for unrestricted release
 - Building 103 – Approved for unrestricted release
 - Building 113 - Approved for unrestricted release
 - Building 113A – Approved for unrestricted release
 - Building 130 - Approved for unrestricted release
 - Building 146 - Approved for unrestricted release



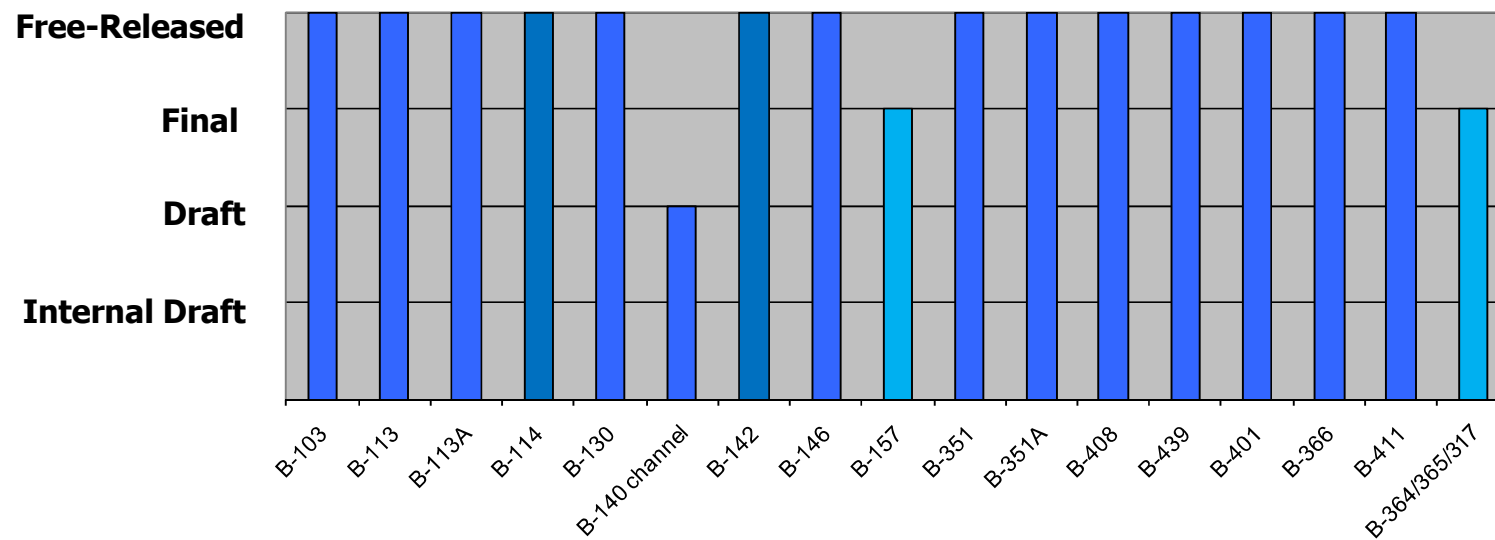
Parcel G Building Survey Status



- All Building G Surveys Complete
 - Building 364/365/317 – CDPH took receipt of samples for confirmatory analysis on December 3, 2010
 - Building 351 - Approved for unrestricted release
 - Building 351A - Approved for unrestricted release
 - Building 401 - Approved for unrestricted release
 - Building 408 - Approved for unrestricted release
 - Site 411 - Approved for unrestricted release
 - Building 439 - Approved for unrestricted release



Parcel B and G Buildings



Waiting for concurrence for
Free-Release determination





On-site Laboratory Update



- Basewide Execution Plan including the SAP has been issued and is under regulatory review.
- New on-site radiological laboratory is operational.
- Six (of 12) detectors are operational, two are being installed & calibrated; with remaining 4 to be in place by end of February
- All twelve detectors are state-of-the-art ORTEC units housed in Reduced Background Enclosures using 60% Efficient High Purity Germanium (HPGe) Crystals.
- The on-site lab has continued to operate using the 186 kEV Peak method.
- Has converted the on-site lab to the same "tuna can" geometry used by Test America.
- Modified on-site soil sample preparation to follow TA procedures.
- Evaluating options to gain DoD accreditation of the on-site lab.



On-site Laboratory



New "tuna can" geometry identical to the offsite laboratory geometry and six of the twelve new gamma spectroscopy detectors



Protean gas flow proportional detector for alpha/beta counting



Pier Demo field schedule update



- Pre-Demo surveys: 24 January 2011
- Actual Demolition activities: 2 March 2011
(note: equipment mobilization will begin the week prior to these dates listed)
- Post-Demo Activities: anticipated start: 5 July 2011
- Draft Status Survey (Rad - Quay Wall) - Sept 2011
- Draft RACR - Nov 2011
- Final RACR - Feb 2012



Comments, Questions, Concerns ???